

Garant
Centre drill HSS-E R with flat, uncoated, Nominal \varnothing DC k12: 1,6mm

Order data

Order number	111450 1,6
GTIN	4045197000705
Item class	11A

Description
Version:

Ground from solid and relief ground, spiral fluted.
Features of centre drills with radius form R: See No. 111350.

Technical description

s – 0.1	3.25 mm
for workpiece \varnothing	10 – 15 mm
Nominal \varnothing D _c	1.6 mm
Feed f in steel < 900 N/mm ²	0.02 mm/rev.
Shank tolerance	h7
Number of cutting edges Z	2
Shank \varnothing D _s	4 mm
Overall length L	35.5 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 333
Type	R
Tolerance nominal \varnothing	k12
Countersink angle with radius	60 degrees

Cutting direction	right-hand
Shank	Parallel shank to h7
Through-coolant	no
Colour ring	without
Type of product	Centre drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Steel < 500 N/mm ²	suitable	40 m/min	P
Steel < 750 N/mm ²	suitable	30 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Steel < 1100 N/mm ²	suitable	10 m/min	P
Steel < 1400 N/mm ²	suitable	8 m/min	P
INOX < 900 N/mm ²	suitable	12 m/min	M
INOX > 900 N/mm ²	suitable	8 m/min	M
GG(G)	suitable only under restricted conditions	25 m/min	K
CuZn	suitable	80 m/min	N
Oil	suitable		
wet maximum	suitable		